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PN - JP2000317342 A 20001121
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OPD - 1999-04-28
TI - MAGNETIC MATTER REMOVING APPARATUS
IN - FUKUMAKI KEIJI
PA - NIPPON MAGNETICS KK
IC - B03C1/26

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TI - Magnetic particles removal apparatus for separating magnetic particles e.g. iron and quartz contents in powder, has insertion cylinders with air inlet and outlet at both ends, protruded from powder passage

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AB - JP2000317342 NOVELTY - At least 2 insertion cylinders (9) from which a bar magnet (4) moves in and out, is protruded from a powder passage (2). An air inlet and outlet (10,11) are provided at both ends of the bar magnet in and out cylinder.

- USE - For separating magnetic particles e.g. iron and quartz contents in powder.
- ADVANTAGE - Enables simple and reliable insertion and extraction of bar magnet into and out from the powder to simplify the removal of magnetic particles in the powder.
- DESCRIPTION OF DRAWING(S) - The figure shows the longitudinal cross-sectioned view of the magnetic particles removal apparatus.
 - Powder passage 2
 - Bar magnet 4
 - Insertion cylinders 9
 - Air inlet and outlet 10,11
 - (Dwg.1/6)

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- PA - NIPPON MAGNETICS KK
- TI - MAGNETIC MATTER REMOVING APPARATUS
- AB - PROBLEM TO BE SOLVED: To easily and certainly take in and out a bar magnet in a magnetic matter removing apparatus for removing magnetic matter in a powder by the bar magnet.
- SOLUTION: In a magnetic matter removing apparatus wherein bar magnet taking-in/out cylinders9 are arranged so as to traverse the interior of a power passage 2 and a powder discharge port6 and a magnetic matter discharge port7 for discharging removed magnetic matter are provided to the lower part of the powder passage2 and a door 8 for opening and closing the powder discharge port6 and the magnetic matter discharge port7 is provided between both discharge ports 6, 7 in a freely revolvable manner, the bar magnet taking in and out cylinders 9 of the bar magnets4 protrude out of the powder passage 2 by the length of the bar magnets4 and air inflow and outflow ports 10, 11 for moving the bar magnets by the inflow and outflow of air are provided to both ends of them.
- I - B03C1/26



